

FIG. 1

```

graph TD
    201[201 HIGH LEVEL DESCRIPTION] --> 202[202 PARTITION INTO STAGES]
    202 --> 204[204 PARTITION INTO FUNCTIONS]
    204 --> 206[206 PARSE AND OPTIMIZE]
    206 --> 208[208 DETERMINE POSSIBLE PE TYPES ON WHICH FUNCTIONS MAY BE EXECUTED]
    208 --> 210[210 DETERMINE FUNCTION GROUPINGS]
    210 --> 212[212 PLACEMENT]
    212 --> 214[214 CONNECT AND SET PARAMETERS]
    214 --> 216[216 CODE GEN PE TYPE 1]
    214 --> 218[218 CODE GEN PE TYPE 2]
    214 --> 220[220 CODE GEN PE TYPE n]
    216 --> 222[222 GENERATE PROTOCOL FILE]
    218 --> 222
    220 --> 222
    222 --> 224[224 EVALUATE AND ADJUST]
    262[262 SYSTEM PROFILER] --> 224
    224 --> 202
    224 --> 210
    224 --> 214
    224 --> 200[200 PROTOCOL]
    203[203 USER SPECIFIED CONSTRAINTS] --> 202
    203 --> 204
    203 --> 206
    203 --> 208
    203 --> 210
    203 --> 212
    203 --> 214
    203 --> 222
    203 --> 224
    205[205 HARDWARE TOPOLOGY SPECIFICATION] --> 202
    205 --> 204
    205 --> 206
    205 --> 208
    205 --> 210
    205 --> 212
    205 --> 214
    205 --> 222
    205 --> 224
    260[260 LIBRARY FUNCTIONS] --> 202
    260 --> 204
    260 --> 206
    260 --> 208
    260 --> 210
    260 --> 212
    260 --> 214
    260 --> 222
    260 --> 224

```

FIG. 2

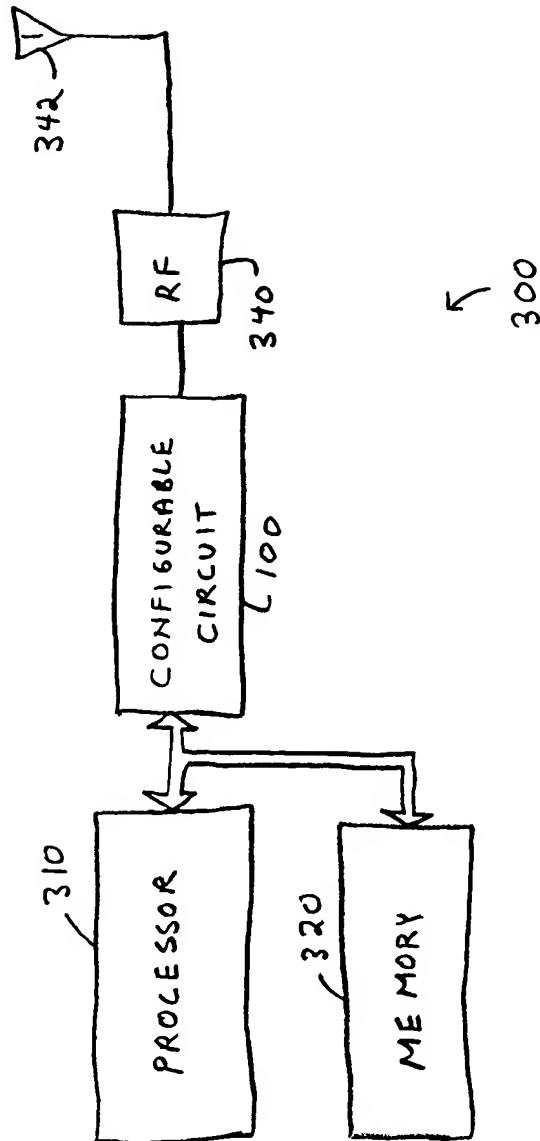


FIG. 3

4/5

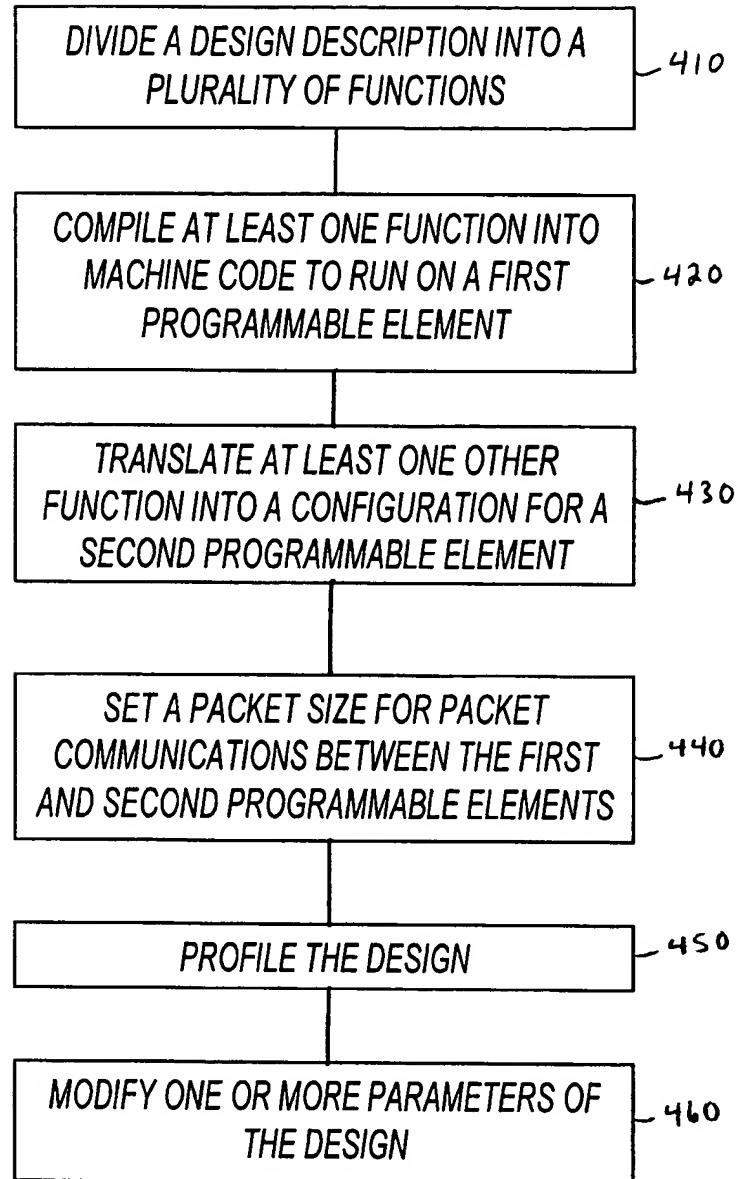


FIG. 4

400

5/5

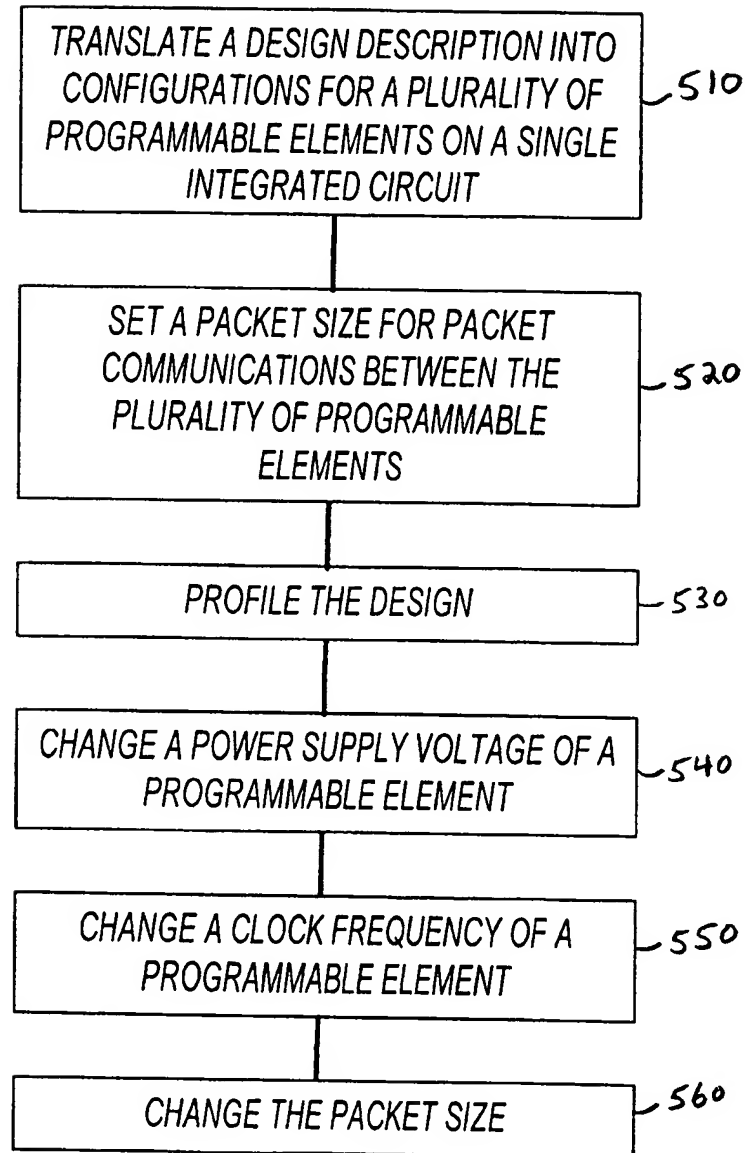


FIG. 5

↖
500